

Amendments to the Specification:

Please replace the paragraph beginning at page 4, line 28 with the following:

--Figure 3 shows an alignment of the deduced amino acid sequences for the sialyltransferases. The OH4384 *cst-I* gene (first 300 residues) (Cst-I; SEQ ID NO:48), OH4384 *cst-II* gene (OH4384; SEQ ID NO:3) (identical to OH4382 *cst-II*), O:19 (serostrain) *cst-II* gene (O:19; SEQ ID NO:9) (GenBank #AF167344), NCTC 11168 *cst-II* gene (11168; SEQ ID NO:10) and an *H. influenzae* putative ORF (Hi_ORF; SEQ ID NO:49) (GenBank #U32720) were aligned using the ClustalX alignment program (Thompson *et al.* (1997) *Nucleic Acids Res.* **25**, 4876-82). The shading was produced by the program GeneDoc (Nicholas, K. B., and Nicholas, H. B. (1997) URL: <http://www.cris.com/~ketchup/genedoc.shtml>).--

Please replace the paragraph (Table 2) beginning at page 48, line 13 with the following:

--Table 2: Primers used for Amplification of Open Reading Frames

Primers used to amplify the LPS core biosynthesis locus

CJ42: Primer in heptosylTase-II (~~Error! Reference source not found.~~) (SEQ ID NO:40)

5' GC CAT TAC CGT ATC GCC TAA CCA GG 3' 25 mer

CJ43: Primer in heptosylTase-I (~~Error! Reference source not found.~~) (SEQ ID NO:41)

5' AAA GAA TAC GAA TTT GCT AAA GAG G 3' 25 mer

Primers used to amplify and clone ORF 5a:

CJ-106 (3' primer, 41 mer) (~~Error! Reference source not found.~~) (SEQ ID NO:42)

SalI
5' CCT AGG TCG ACT TAA AAC AAT GTT AAG AAT ATT TTT TTT AG 3'

CJ-157 (5' primer, 37 mer) (~~Error! Reference source not found.~~) (SEQ ID NO:43)

NdeI
5' CTT AGG AGG TCA TAT GCT ATT TCA ATC ATA CTT TGT G 3'

Primers used to amplify and clone ORF 6a:

CJ-105 (3' primer, 37 mer) (~~Error! Reference source not found.~~) (SEQ ID NO:44)

SalI
5' CCT AGG TCG ACC TCT AAA AAA AAT ATT CTT AAC ATT G 3'

CJ-133 (5' primer, 39 mer) (~~Error! Reference source not found.~~) (SEQ ID NO:45)

NdeI
5' CTTAGGAGGTCATATGTTTAAATTTCAATCATCTTACC 3'

Primers used to amplify and clone ORF 7a:

CJ-131 (5' primer, 41 mer) (~~Error! Reference source not found.~~) (SEQ ID NO:46)

NdeI
5' CTTAGGAGGTCATATGAAAAAGTTATTATTGCTGGAAATG 3'

CJ-132 (3' primer, 41 mer) (~~Error! Reference source not found.~~) (SEQ ID NO:47)

SalI
5' CCTAGGTCGACTTATTTTCCTTTGAAATAATGCTTTATATC 3'

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Appl. No. 10/735,419
Amdt. dated April 8, 2004
Reply to Notice to Comply of March 26, 2004

PATENT

In the Informal Sequence Listing:

Please replace the paragraph beginning at page 14, line 1 with the following:

**--SEQ. ID NO: 21. Amino acid sequence of β -1,4-GalNAc transferase from *C. jejuni* 0:1
0:10--**

Please replace the paragraph beginning at page 14, line 1 with the following:

SEQ. ID NO: 22. Nucleotide sequence of β -1,4-GalNAc transferase from *C. jejuni* 0:1. O:36

Please insert the accompanying paper copy of the Sequence Listing, page numbers 1 to 52, at the end of the application.